

Item Listing

Offered as an aid to examination – to be included in the application at the discretion of the Examiner

1	Barrel	4	Safety Ring
11	Barrel Auxiliary Valve Face	41	Safety Ring Safety Shear Pin Aperture
12	Barrel Entry Pin Aperture	42	Optional Safety Ring O-ring Groove
13	Barrel to Stinger or Valve Cage Threads	43	Optional Safety Ring O-ring
14	Barrel Lip		
		400	Tubing Pump Retrieving Collar
2	Original Head (Prototype)	401	Retrieving or Fishing Slot
20	Preferred Head	402	Retrieving Collar to Head Threads
21	Head Valve Face		
22	Head to Pump (Ball and Seal) Threads	5	Safety Shear Pin
23	Harbison-Fischer Adapter		
24	Harbison-Fischer Valve Piece	6	Entry Shear Pin
25	Head to Adapter Threads		
26	Head to Piston Threads	7	Piston O-rings
27	Harbison-Fischer Adapter to Pump (Ball and Seal – Standing Valve) Threads	8	Vent-Dump or Venting Port (Aperture) (Preferred embodiment)
28	Head Piece		
		.	
3	Piston	82	Vent Port (Aperture) (Prototype embodiment)
30	Piston to Head Threads		
31	Piston ring		
32	Piston Entry Pin Aperture	9	Dump Port or Aperture
35	Piston Upper O-ring Groove		
37	Piston Lower O-ring Groove	10	The Instant Device in General
39	Piston Safety Shear Pin Aperture		
		100	Valve Cage
300	Prototype Piston	101	Pump Ball and Seal Assembly
330	Piston to Head Threads	102	Pump
331	Cocking Ring	103	Optional Standing Head Valve
332	Piston Cocking Pin Aperture	104	Pull Rod
333	Piston First Upper O-ring Groove	105	Sucker Rod string
334	Piston Second Upper O-ring Groove	106	
335	Piston First Upper Dump O-ring Groove	107	
336	Piston Second Upper Dump O-ring Groove	108	
337	Piston First Lower Dump O-ring Groove	109	
338	Piston Second Lower Dump O-ring Groove		
339	Piston Safety Shear Pin Aperture		